

ABSTRACT OF THE INVENTION

A new family of anti-microbial proteins is described. A prototype protein can be isolated from *Macadamia integrifolia*. DNA encoding the protein is also described as well as DNA constructs that can be used to express the anti-microbial protein or to introduce the anti-microbial protein into a plant. Compositions comprising the anti-microbial protein or the anti-microbial protein *per se* can be administered to plants or mammalian animals to combat microbial infestation.